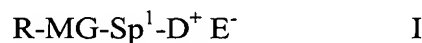


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) Ionic mesogenic or ionic liquid crystalline (LC) compounds comprising at least one organic cation D^+ that is linked to a mesogenic group MG, optionally via a spacer group Sp^1 , or is part of a mesogenic group.
2. (Original) Compounds according to claim 1, selected of formula I



wherein

D^+ is an organic cation,

E^- is an anion,

MG is a mesogenic group,

Sp^1 is a spacer group or a single bond,

R is H, F, Cl, Br, I, CN, NO_2 , NCS, SF_5 or alkyl which is straight chain or branched, has 1 to 20 C-atoms, is unsubstituted, mono- or polysubstituted by F, Cl, Br, I or CN, and in which one or more non-adjacent CH_2 groups are optionally replaced, in each case independently from one another, by -O-, -S-, -NH-, $-NR^0$ -, $-SiR^0R^{00}$ -, -CO-, -COO-, -OCO-, -OCO-O-, -S-CO-, -CO-S-, - $CY^1=CY^2$ - or $-C\equiv C-$ in such a manner that O and/or S atoms are not linked directly to one another, or denotes $P-Sp^2$,

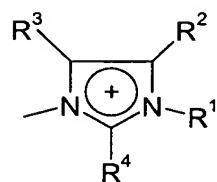
R^0 and R^{00} are independently of each other H or alkyl with 1 to 12 C-atoms,

Y^1 and Y^2 are independently of each other H, F, Cl or CN,

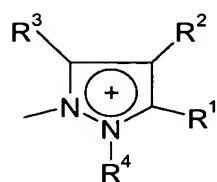
P is a polymerizable or reactive group,

Sp^2 is a spacer group or a single bond.

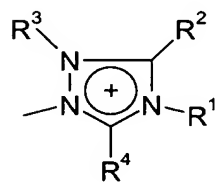
3. (Currently Amended) Compounds according to claim 1 or 2, characterized in that the cation D^+ is selected from the following formulae



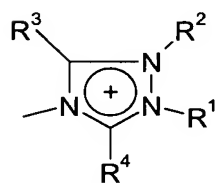
I1



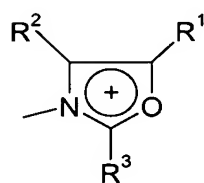
I2



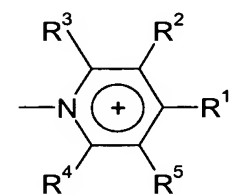
I3



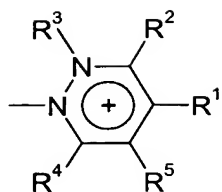
I4



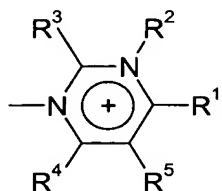
I5



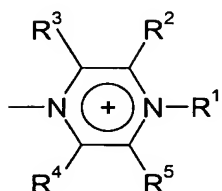
I6



I7



I8



I9

wherein R¹ to R⁵ ~~have~~ are each independently of each other, ~~one of the meanings of R in claim 2~~ H, F, Cl, Br, I, CN, NO₂, NCS, SF₅ or alkyl which is straight chain or branched, has 1 to 20 C-atoms, is unsubstituted, mono- or polysubstituted by F, Cl, Br, I or CN, and in which one or more non-adjacent CH₂ groups are optionally replaced, in each case independently from one another, by -O-, -S-, -NH-, -NR⁰-, -SiR⁰R⁰⁰-, -CO-, -COO-, -OCO-, -OCO-O-, -S-CO-, -CO-S-, -CY¹=CY²- or -C≡C- in such a manner that O and/or S atoms are not linked directly to one another, or denotes P-Sp²,

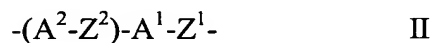
P is a polymerizable or reactive group,

Sp² is a spacer group or a single bond.

4. (Currently Amended) Compounds according to claim 2 ~~at least one of claims 1 to 3~~, characterized in that the anion E⁻ is selected from the group comprising F⁻, Cl⁻, Br⁻, I⁻, I₃⁻, CH₃COO⁻, CF₃COO⁻, CF₃(CF₂)₃COO⁻, lactate, NO₃⁻, [(CF₃SO₂)₂N]⁻, [(CF₃CF₂SO₂)₂N]⁻, CF₃SO₃⁻, [CF₃(CF₂)₃SO₃]⁻, [(CF₃SO₂)₃C]⁻, PF₆⁻, AsF₆⁻, SbF₆⁻, BF₄⁻, ClO₄⁻, [P(C_nF_{2n+1})_{6-x} F_x]⁻, Ph₄B⁻ and [(C_nH_{2n+1})₄B]⁻

wherein x is an integer from 1 to 6 and Ph is phenyl.

5. (Currently Amended) Compounds according to claim 2 ~~at least one of claims 1 to 4~~, characterized in that the mesogenic group MG is selected of formula II



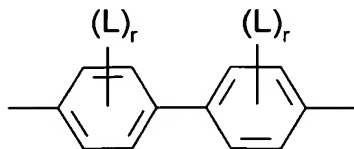
wherein

A^1 and A^2 are independently of each other an aromatic or alicyclic group, or a group comprising two or more fused aromatic or alicyclic rings, wherein these rings optionally contain one or more hetero atoms selected from N, O and S, and are optionally mono- or polysubstituted by R ~~as defined in claim 2~~,

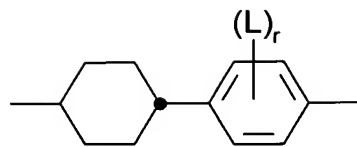
Z^1 and Z^2 are independently of each other -O-, -S-, -CO-, -COO-, -OCO-, -S-CO-, -CO-S-, -O-COO-, -CO-NR⁰-, -NR⁰-CO-, -OCH₂-, -CH₂O-, -SCH₂-, -CH₂S-, -CF₂O-, -OCF₂-, -CF₂S-, -SCF₂-, -CH₂CH₂-, -CF₂CH₂-, -CH₂CF₂-, -CF₂CF₂-, -CH=N-, -N=CH-, -N=N-, -CH=CR⁰-, -CY¹=CY²-, -C≡C-, -CH=CH-COO-, -OCO-CH=CH- or a single bond,

m is 0, 1, 2 or 3.

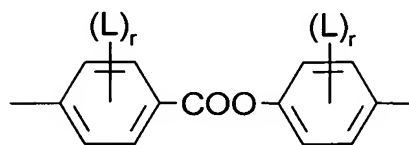
6. (Currently Amended) Compounds according to claim 2 ~~at least one of claims 1 to 5~~, characterized in that the mesogenic group MG comprises at least two monocyclic groups or at least one bicyclic group comprising at least two fused rings.
7. (Currently Amended) Compounds according to claim 2 ~~at least one of claims 1 to 6~~, characterized in that the mesogenic group MG is selected from the following formulae and their mirror images



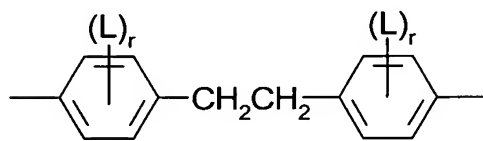
IIa



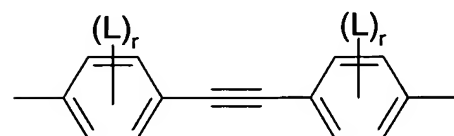
IIb



IIc



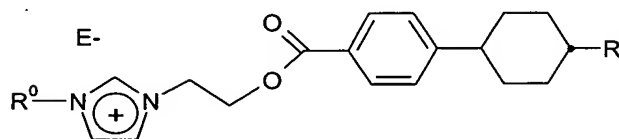
IIId



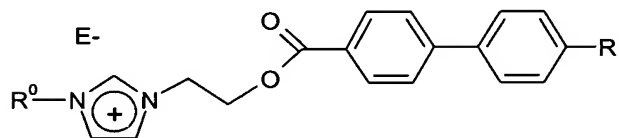
IIe

wherein L has one of the meanings of R in claim 2 and r is 1, 2, 3 or 4.

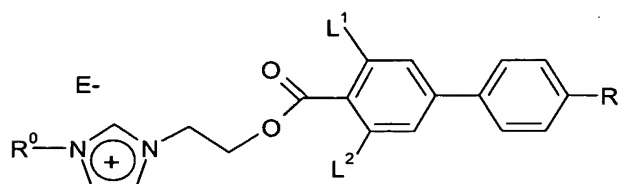
8. (Currently Amended) Compounds according to claim 2 ~~at least one of claims 1 to 7~~, characterized in that they are selected from the following formulae



Ia



Ib



Ic

wherein E⁻, R and R⁰ have one of the meanings of claim 2, and L¹ and L² have one of the meanings of R¹ given in claim 2 ~~claim 6~~.

9. (Currently Amended) Compounds according to claim 1 ~~at least one of claims 1 to 8~~, characterized in that they comprise at least one polymerizable group.
10. (Currently Amended) Liquid crystal medium, characterized in that it comprises at least one compound according to claim 1 ~~at least one of claims 1 to 9~~.
11. (Currently Amended) Polymerizable liquid crystal medium, characterized in that it comprises at least one compound according to claim 1 ~~at least one of claims 1 to 9~~ and at least one polymerizable mesogenic compound, which can be said compound of claim 1 ~~claims 1 to 9~~ and/or an additional compound.
12. (Currently Amended) Polymer obtained by polymerizing a compound according to claim 1 ~~at least one of claims 1 to 9 or a liquid crystal medium according to claim 11~~.
13. (Currently Amended) Anisotropic polymer film obtained by polymerizing a compound or medium according to claim 1 ~~at least one of claims 1 to 11~~ in its oriented state.
14. (Currently Amended) Use of a compound, medium, polymer or polymer film according to claim 1 ~~at least one of claims 1 to 13~~ in electrooptical displays, liquid crystal displays, optical films, polarizers, compensators, beam splitters, reflective films, alignment layers, colour filters, holographic elements, hot stamping foils, coloured images, decorative or security markings e.g. for consumer objects or documents of value, LC pigments, adhesives, synthetic resins with anisotropic mechanical properties, cosmetics, diagnostics, nonlinear optics, optical information storage, as chiral dopants, in electronic devices like for example field effect transistors (FET) as components of integrated circuitry, as thin film transistors in flat panel display applications or for Radio Frequency Identification (RFID) tags, or in semiconducting components for organic light emitting diode (OLED) applications,

electroluminescent displays or backlights of LCDs, for photovoltaic or sensor devices, in lasing applications and devices, as electrolyte materials, in electrochemical cells or batteries, as photoconductors, for electrophotographic applications or electrophotographic recording or as lubricants.

15. (Currently Amended) Liquid crystal device comprising a compound, LC medium, polymer or polymer film according to claim 1 ~~at least one of claims 1 to 13.~~
16. (Currently Amended) Liquid crystal device utilizing the Kerr effect comprising a compound, LC medium, polymer or polymer film according to claim 1 ~~at least one of claims 1 to 13.~~
17. (Currently Amended) Electrolyte medium comprising a compound, LC medium or polymer according to claim 1 ~~at least one of claims 1 to 13.~~
18. (Currently Amended) Electrochemical cell comprising a compound, LC medium or polymer according to claim 1 ~~at least one of claims 1 to 13 or an electrolyte medium according to claim 17.~~
19. (New) Polymer medium obtained by polymerizing a compound according to a liquid crystal medium according to claim 11.
20. (New) Electrochemical cell comprising an electrolyte medium according to claim 17.